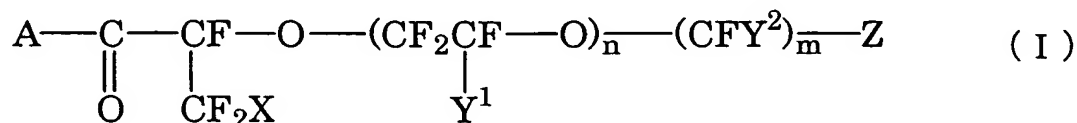
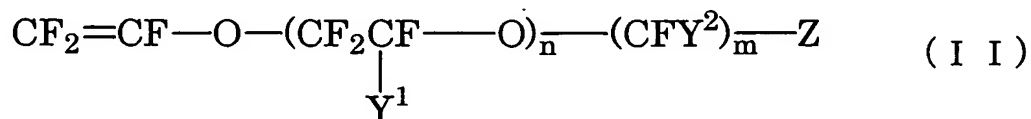


## ABSTRACT

The present invention relates to a method for producing a water-soluble fluorine-containing vinyl ether which  
 5 comprises subjecting a fluorine-containing 2-alkoxypropionic acid derivative represented by the following general formula (I):



10 (wherein A represents  $-\text{OM}^1$  or  $-\text{OM}^{2}_{1/2}$ , and  $\text{M}^1$  represents an alkali metal and  $\text{M}^2$  represents an alkaline earth metal; X represents a halogen atom;  $\text{Y}^1$  and  $\text{Y}^2$  are the same or different and each represents a fluorine atom, a chlorine atom, a perfluoroalkyl group or a fluorochloroalkyl group; n represents an integer of  
 15 0 to 3, and n of  $\text{Y}^1$ s may be the same or different; m represents an integer of 1 to 5, and m of  $\text{Y}^2$ s are the same or different; and Z represents a hydrophilic group) to thermal decomposition at a temperature of not lower than  $50^\circ\text{C}$  but lower than  $170^\circ\text{C}$  in the presence of a coordinating organic solvent to give a  
 20 water-soluble fluorine-containing vinyl ether represented by the general formula (II):



(wherein  $\text{Y}^1$ ,  $\text{Y}^2$ , Z, n and m are as defined above),

said coordinating organic solvent having a coordinating  
 25 property with an ion of said  $\text{M}^1$  or an ion of said  $\text{M}^2$

said coordinating organic solvent being in an amount of 10 to 1,000 parts by mass per 100 parts by mass of the fluorine-containing 2-alkoxypropionic acid derivative.